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[Ultimate strength and failure mechanism of resistance spot weld subjected to tensile, shear, ... - *sc.edu](#) [PDF]

YJCM ASME - Journal of Engineering Materials and Technology, 2003 - link.aip.org

Strength tests were performed to reveal the failure mechanisms of **spot weld**

in lap-shear and **cross tension test** samples. It is shown ...

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... **Spot Weld Electrode Force Aluminum Sheet Automotive Shear Strength Resistance Welding**

Fatigue Strength ... The shear and **cross-tension test** samples were made ...

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... Figure 9 Peak loads from **cross-tension test** ... This study investigated the feasibility

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... placed at 90 deg to each other and a **spot weld** was made at ... 10, all shear and

cross-tension test samples were prepared with a speci- fied **weld** size of ...

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U Dilthey, A Ghandehari, R Kopp, P Hohmeier, ... - Advanced engineering materials, 2001 - interscience.wiley.com

... a result of it an irregular **weld spot** is formed ... Test arrangement for **cross-tension**

test and the resulting maximum ... **welding** pressures (30, 50, 70 bar) at constant ...

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Downsloping for Production **Spot Welding**.....22 6.0 ...

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Influence of **weld** parameters on the mechanical properties of **spot-welded** Fe-Mn-Al-Cr alloy

CJ Lin, JG Duh, MT Liao - Journal of Materials Science, 1993 - Springer

... a **cross-tension test**, respectively. Before **weld-** ing, the specimens were ground with # 400 SiC paper to a final thickness of 0.9 mm and then **spot welded** at 220 ...

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Effect of **weld** nugget size on overload failure mode of resistance **spot welds**

M Pouranvari, HR Asgari, SM Mosavizadch, ... - Science and Technology of Welding &# 38; Joining, 2007 - ingentaconnect.com

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... pre-drilled hole unlike the conventional riveting, the joining speed is the same level with that of the **spot welding**, and the ... (a) **Cross-tension test** (b) Tension ...

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